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TGSLTW1014

COMPUTED BY: BJH DATE: 03-26-24

CHECKED BY: REL DATE: 03-26-24

PROJECT NO.	SHEET NO.
U-5809	3D-8

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET		STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	R. C. PIPE CLASS V 12	15	18	24	30	36	42	48
			0633	0635		959.0	956.4	0.3										164														
Y5 14+89	40	RT	0634		959.5																											
			0634	0635		956.7	956.4											60														
Y5 14+89	20	LT	0635		960.9																											
			0635	0636		956.4	956.1	0.6											64													
L 44+45	30	RT	0637		965.1																											
			0637	0618		961.9	961.5											32														
L 44+22	36	RT																														
L 43+82	0	CL																														
Y5 15+18	25	RT																														
L 34+39	4	LT																														
L 34+28	48	LT																														
L 34+18	67	LT																														
L 34+44	29	RT																														
L 34+77	35	RT																														
L 34+99	23	RT																														
L 35+61	31	RT																														
L 38+37	0	CL																														
L 39+66	25	RT																														
L 42+49	53	LT																														
L 41+51	25	LT																														
L 39+59	25	LT																														
L 37+06	25	LT																														
L 35+67	34	LT																														
L 35+73	30	LT																														
L 38+42	32	RT																														
Y2 12+52	17	LT																														
Y2 12+51	20	RT																														
Y1 12+56	9	RT																														
L 22+68	52	LT																														
L 21+49	89	LT																														
L 21+06	132	LT																														
L 21+27	142	LT																														
RPB 12+33	55	LT																														
L 24+76	44	LT																														
L 24+82	33	LT																														
L 24+78	73	LT																														
L 26+15	28	LT																														
L 23+80	42	LT																														
RPB 11+65	37	RT																														
RPB 12+15	27	LT																														
L 19+98	1	RT																														
L 19+98	61	RT																														
L 20+17	54	LT																														
L 29+82	0	CL																														
L 29+69	34	LT																														
L 29+70	30	LT																														
L 29+93	29	LT																														
L 30+03	29	RT																														
L 29+05	30	RT																														
SHEET TOTALS																		256	64													

LINE & STATION	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	A 5' THRU 10' LIN. FT.	B 10' AND ABOVE LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29
Y5 14+89		1														1							1		
Y5 14+89		1			1			1																	
L 44+45		1			1		1																		
L 44+22																									
L 43+82																									
Y5 15+18																									
L 34+39																									
L 34+28																									
L 34+18																									
L 34+44																									
L 34+77																									
L 34+99																									
L 35+61																									
L 38+37																									
L 39+66																									
L 42+49																									
L 41+51																									
L 39+59																									
L 37+06																									
L 35+67																									
L 35+73																									
L 38+42																									
Y2 12+52																									
Y2 12+51																									
Y1 12+56																									
L 22+68																									
L 21+49																									
L 21+06																									
L 21+27																									
RPB 12+33																									
L 24+76																									
L 24+82																									
L 24+78																									
L 26+15																									
L 23+80																									
RPB 11+65																									
RPB 12+15																									
L 19+98																									
L 19+98																									
L 20+17																									
L 29+82																									
L 29+69																									
L 29+70																									
L 29+93																									
L 30+03																									
L 29+05																									
SHEET TOTALS		3			2		1	1								1							1		

LINE & STATION	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	TEMP STEEL PLATE COVER MASONRY DRAINAGE	SPRING BOX STD. 840.41	FLUME UNDER S.W., SEE DETAIL SHEET 2D-1	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING C.B. TO J.B.	CONVERT EXISTING C.B. TO D.I.	CONVERT EXISTING D.I. TO J.B.	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	ADJUST D.I.	TB2GI-A (36"), SEE DETAIL SHEET 2D-4	TB2GI-A (30"), SEE DETAIL SHEET 2D-5	15" C.S. ELBOW	18" C.S. ELBOW	24" C.S. ELBOW	30" C.S. ELBOW	36" C.S. ELBOW	CONFLICT BOX, SEE DETAIL SHEET 2D-2	TB4GI, SEE DETAIL 2D-3
Y5 14+89																											
Y5 14+89																											
L 44+45																											
L 44+22																											
L 43+82																											
Y5 15+18																											
L 34+39																											
L 34+28																											
L 34+18																											
L 34+44																											
L 34+77																											
L 34+99																											
L 35+61																											
L 38+37																											
L 39+66																											
L 42+49																											
L 41+51																											
L 39+59																											
L 37+06																											
L 35+67																											
L 35+73																											
L 38+42																											
Y2 12+52																											
Y2 12+51																											
Y1 12+56																											
L 22+68																											
L 21+49																											
L 21+06																											
L 21+27																											
RPB 12+33																											
L 24+76																											
L 24+82																											
L 24+78																											
L 26+15																											
L 23+80																											
RPB 11+65																											
RPB 12+15																											
L 19+98																											
L 19+98																											
L 20+17																											
L 29+82																											
L 29+69																											
L 29+70																											
L 29+93																											
L 30+03																											
L 29+05																											
SHEET TOTALS																											

LINE & STATION	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
Y5 14+89					
Y5 14+89					
L 44+45					
L 44+22				79	REMOVE EXIST. 15" CMP
L 43+82				49	REMOVE EXIST. 15" CMP
Y5 15+18	1				FILL EXIST. 12" RCP
L 34+39				49	REMOVE EXIST. 18" CMP
L 34+28				43	REMOVE EXIST. 18" CMP (PARTIAL)
L 34+18			0.065		PLUG EXIST. 18" CMP
L 34+44				16	REMOVE EXIST. 15" CMP
L 34+77				49	REMOVE EXIST. 15" CMP
L 34+99				115	REMOVE EXIST. 15" CMP
L 35+61				14	REMOVE EXIST. 15" CMP
L 38+37	3				FILL EXIST. 18" CMP
L 39+66				245	REMOVE EXIST. 15" CMP
L 42+49				84	REMOVE EXIST. 15" HDPE
L 41+51				130	REMOVE EXIST. 15" CMP
L 39+59				249	REMOVE EXIST. 15" HDPE
L 37+06				252	REMOVE EXIST. 18" CMP
L 35+67			0.065		PLUG EXIST. 18" HDPE
L 35+73				14	REMOVE EXIST. 18" HDPE (PARTIAL)
L 38+42				13	REMOVE EXIST. 15" RCP
Y2 12+52				32	REMOVE EXIST. 18" HDPE (PARTIAL)
Y2 12+51				40	REMOVE EXIST. 18" RCP
Y1 12+56				65	REMOVE EXIST. 24" RCP/CMP
L 22+68				166	REMOVE EXIST. 24" HDPE
L 21+49				91	REMOVE EXIST. 24" HDPE
L 21+06				30	REMOVE EXIST. 24" HDPE
L 21+27				61	REMOVE EXIST. 18" RCP
RPB 12+33				21	REMOVE EXIST. 18" RCP (PARTIAL)
L 24+76				14	REMOVE EXIST. 15" CMP
L 24+82				13	REMOVE EXIST. 15" CMP
L 24+78				39	REMOVE EXIST. 15" RCP (PARTIAL)
L 26+15				251	REMOVE EXIST. 15" CMP
L 23+80				53	REMOVE EXIST. 24" RCP
RPB 11+65				114	REMOVE EXIST. 18" RCP (PARTIAL)
RPB 12+15	3				FILL EXIST. 18" RCP (PARTIAL)
L 19+98				125	REMOVE EXIST. 24" CMP
L 19+98				71	REMOVE EXIST. 18" CMP
L 20+17				17	REMOVE EXIST. 18" RCP
L 29+82	3				FILL EXIST. 18" CMP
L 29+69			0.065		PLUG EXIST. 18" RCP
L 29+70				9	REMOVE EXIST. 18" RCP (PARTIAL)
L 29+93				33	REMOVE EXIST. 15" CMP
L 30+03				23	REMOVE EXIST. 15" CMP
L 29+05				26	REMOVE EXIST. 15" CMP
SHEET TOTALS	10		0.195	2695	

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLYVINYL CHLORIDE
R.C.	REINFORCED CONCRETE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX
W.S.	WIDE SLOT